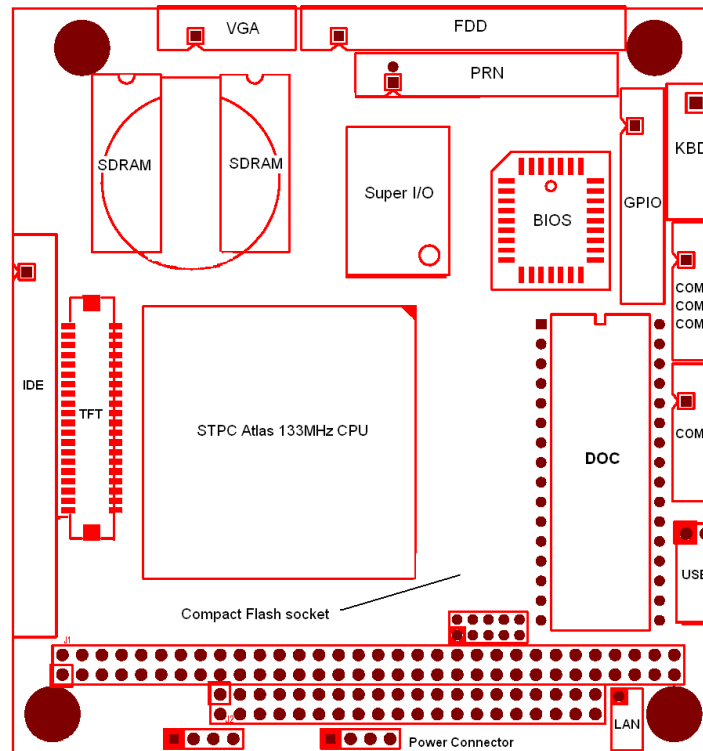


PC104-488VL

Embedded STPC ATLAS 80486DX2-133 CPU SBC with CRT/TFT
VGA, Ethernet, GPIO, DiskOnChip and 64MB SDRAM



■ Features

- PC/104 ISA-BUS Embedded CPU Module
- Embedded STPC ATLAS 486DX2-133MHz low power CPU (**Fanless**)
- Integrated L1 write back cache.
- 64-Bit SDRAM UMA Controller
- OnBoard 64Mbyte SDRAM

- On board CRT/TFT VGA Controller
- Support 10/100Mbps fast Ethernet
- Ultra DMA-33 IDE Controller
- One RS-232/RS485 and Three RS-232 serial ports
- Support 2 USB ports
- One SPP/ECP/EPP Bi-direction Parallel Port.
- 255 level Watchdog timer
- Provide 16 General Purpose I/O (Support change state interrupt)
- Provide One DiskOnChip Socket
- Type-II CompactFlash™ socket
- Provide EEPROM(93C66) for user
- Single Power supply (+5V)

■ Specifications

CPU:

- Embedded STPC ATLAS 80486DX2-133MHz low power CPU(**Fanless**)

Bus interface: PC/104 ISA bus

System BIOS: Award PnP BIOS (Year 2000 Compliant BIOS)

System Memory:

- 64-Bit SDRAM UMA Controller
- On-board 32MB SDRAM (Up to 64MB)

Display:

- On-board SVGA CRT/TFT Controller
- Panel support 12/18 bits TFT LCD
- UMA architecture, share system memory up to 4MB
- Support resolution up to 1024x768

LAN: 10/100 Mbps RTL8139C PCI bus Ethernet controller and J-45 connector

Enhanced GPIO:

- Provide 16 channels General Purpose I/O
- Each channel can be software programmed to be input or output
- Individual software programmable interrupt mask.

IDE Interface: One EIDE Channel

Floppy Disk Drive Interface:

Supports Up to two floppy disk drives

Serial Ports: Three RS-232C and one RS-232/485 serial Ports.

Printer Port: One SPP/ECP/EPP Bi-direction Parallel Port.

USB Ports: USB 1.1 compatible, supports up to two USB devices

KBD. and PS/2 Mouse connector.

Solid state disk:

- Support DiskOnChip® socket
- Provide Type-II CompactFlash™ socket

EEPROM : Provide 256 words EEPROM register for user

Watch Dog timer: The watch dog timer range from 0 to 254 sec

■ Environmental

- Power Supply Voltage : + 5V/1.2A
- Operating Temperature: 0 ~ 60° C (32 ~ 140° F)
- Dimensions:96(L) x 90mm(W)

■ Order information

PC104-488VL: 80486DX2-133 CPU with VGA, LAN and CompactFlash™ socket

PC104-488V: 486DX2-133 CPU with VGA (without LAN and CompactFlash™ socket)

■ Flexible OEM/ODM design